

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU021122\
 Data File : VU047122.D
 Acq On : 11 Feb 2022 17:55
 Operator : SY/MD
 Sample : N1331-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2022-01

Quant Time: Feb 12 01:30:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM021022WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Feb 12 01:25:35 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	433179	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	404967	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	208039	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	148548	37.759	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.520%
7) Chloroethane-d5	1.919	69	127994	43.888	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.780%
11) 1,1-Dichloroethene-d2	2.575	63	205811	31.568	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.140%
21) 2-Butanone-d5	4.629	46	369666	121.156	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.160%
24) Chloroform-d	5.067	84	285969	44.775	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.560%
26) 1,2-Dichloroethane-d4	5.703	65	196706	47.985	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.960%
32) Benzene-d6	5.729	84	600396	44.595	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.180%
36) 1,2-Dichloropropane-d6	6.694	67	202797	46.448	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.900%
41) Toluene-d8	7.899	98	567387	44.262	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.520%
43) trans-1,3-Dichloroprop...	8.179	79	103693	45.319	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	90.640%
47) 2-Hexanone-d5	8.632	63	268870	107.491	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	107.490%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	305637	48.008	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.020%
66) 1,2-Dichlorobenzene-d4	12.195	152	228431	46.297	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	7789	1.930	ug/L	100
3) Chloromethane	1.527	50	8257	2.067	ug/L	98
5) Vinyl chloride	1.607	62	8974	2.230	ug/L #	74
6) Bromomethane	1.864	94	5071	2.166	ug/L	91
8) Chloroethane	1.941	64	5087	2.192	ug/L	93
9) Trichlorofluoromethane	2.144	101	9523	2.043	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.581	101	7329	2.553	ug/L #	81
12) 1,1-Dichloroethene	2.588	96	6797	2.413	ug/L #	1
13) Acetone	2.645	43	9686	4.358	ug/L	97
14) Carbon disulfide	2.800	76	17595	1.990	ug/L	98
15) Methyl Acetate	2.957	43	8551	2.286	ug/L	98
16) Methylene chloride	3.054	84	7649	2.454	ug/L	94
17) trans-1,2-Dichloroethene	3.359	96	6162	2.082	ug/L	92
18) Methyl tert-butyl Ether	3.366	73	19651	1.963	ug/L #	88
19) 1,1-Dichloroethane	3.877	63	11058	1.990	ug/L	96
20) cis-1,2-Dichloroethene	4.668	96	6900	2.108	ug/L	100
22) 2-Butanone	4.719	43	12520	4.198	ug/L	100
23) Bromochloromethane	4.983	128	3348	1.929	ug/L	93
27) 1,2-Dichloroethane	5.796	62	9493	2.194	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.395	56	10813	2.037	ug/L	92
30) 1,1,1-Trichloroethane	5.324	97	10349	2.134	ug/L	97
31) Carbon tetrachloride	5.530	117	8449	2.009	ug/L	96
33) Benzene	5.777	78	26149	2.070	ug/L	100
35) Methylcyclohexane	6.767	83	9980	1.813	ug/L	93
37) 1,2-Dichloropropane	6.796	63	6878	2.033	ug/L #	96
38) Bromodichloromethane	7.108	83	8997	2.086	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	11214	2.039	ug/L	99
40) 4-Methyl-2-pentanone	7.793	43	22639	4.225	ug/L #	94
42) Toluene	7.973	91	36007	2.595	ug/L	99
44) trans-1,3-Dichloropropene	8.211	75	11051	2.092	ug/L	98
45) 1,1,2-Trichloroethane	8.404	97	6874	2.157	ug/L	99
46) Tetrachloroethene	8.555	164	5372	2.035	ug/L	89
48) 2-Hexanone	8.690	43	38431	8.674	ug/L #	93
49) Dibromochloromethane	8.812	129	7062	1.915	ug/L	97
50) 1,2-Dibromoethane	8.925	107	7028	1.985	ug/L #	97
51) Chlorobenzene	9.449	112	17927	2.015	ug/L	98
52) Ethylbenzene	9.571	91	30479	2.007	ug/L	100
53) m,p-Xylene	9.697	106	12006	1.993	ug/L	91
54) o-xylene	10.102	106	11578	1.952	ug/L	94
55) Styrene	10.115	104	18673	1.830	ug/L	95
57) 1,1,2,2-Tetrachloroethane	10.783	83	12860	2.289	ug/L #	97
59) Bromoform	10.295	173	5376	1.903	ug/L	100
60) 1,2,3-Trichloropropane	10.825	75	9774	2.204	ug/L	94
61) Isopropylbenzene	10.484	105	28741	1.965	ug/L	99
62) 1,3,5-Trimethylbenzene	11.089	105	19998	1.929	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	25350	2.014	ug/L	99
64) 1,3-Dichlorobenzene	11.748	146	13162	1.929	ug/L	97
65) 1,4-Dichlorobenzene	11.838	146	13562	1.977	ug/L	96
67) 1,2-Dichlorobenzene	12.214	146	13705	2.018	ug/L	96
68) 1,2-Dibromo-3-chloropr...	12.999	75	3434	2.430	ug/L	97
69) 1,3,5-Trichlorobenzene	13.221	180	9717	1.841	ug/L	97
70) 1,2,4-trichlorobenzene	13.841	180	9217	1.842	ug/L	98
71) Naphthalene	14.089	128	35162	1.985	ug/L	99
72) 1,2,3-Trichlorobenzene	14.330	180	9530	1.913	ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

